

Canine Brain Natriuretic Peptide (BNP) ELISA Kit | BNP elisa kit

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CATALOG #
AAA20382

REACTIVITY
Canine

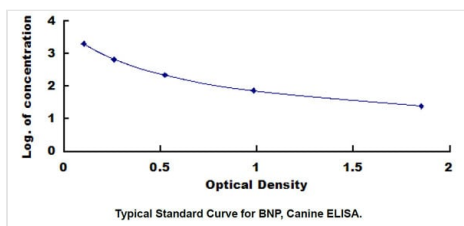
PRODUCT SYNONYMS

Brain Natriuretic Peptide (BNP); Canine Brain Natriuretic Peptide (BNP) ELISA Kit; GC-B; NPPB; B-Type Natriuretic Peptide; Natriuretic Peptide Precursor B; Gamma-brain natriuretic peptide; Brain natriuretic peptide 32; BNP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of BNP. No significant cross-reactivity or interference between BNP and analogues was observed.
Sequence Length	1
Assay Type	Quantitative Competitive
Samples	Canine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	24.69-2,000pg/mL
Sensitivity	< 9.39pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level BNP were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level BNP were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BNP elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to BNP has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled BNP and unlabeled BNP (Standards or samples) with the pre-coated antibody specific to BNP. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of BNP in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of BNP in the sample. Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of BNP in canine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for BNP elisa kit	Cardiovascular biology; Neuroscience; Hormone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	4433127
NCBI GeneID	4879
Molecular Weight	14,726 Da
NCBI Official Full Name	brain natriuretic peptide, partial
NCBI Official Synonym Full Names	natriuretic peptide B
NCBI Official Symbol	NPPB
NCBI Official Synonym Symbols	BNP
NCBI Protein Information	natriuretic peptides B
UniProt Protein Name	Natriuretic peptides B
UniProt Gene Name	NPPB
UniProt Synonym Gene Names	BNP(1-32); BNP-32
UniProt Entry Name	ANFB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/canine-elisa-kits/brain-natriuretic-peptide-bnp/20382>